

Additional options for the Volvo VNL include:

Category	Description	Spec'd
Engine	D13 405 HP	
	D13 425 HP	
	D13 435 HP	
	D13 455 HP	
	D13 500 HP	
	Cummins X15 400HP	
	Cummins X15 450HP	
	Cummins X15 500HP	
	Cummins X15-EX 400HP	
	Cummins X15-EX 450HP	
	Cummins X15-EX 500HP	
	Cummins X15 Performance Series - 525HP	
	Cummins X15 Performance Series - 565HP	
	Cummins X15 Performance Series - 605HP	
	Transmission	3000 RDS 6-Sp Allison Gen 6 w/ Prognostics, w/ PTO provision
4000 RDS 6-Sp Allison Gen 6 w/ Prognostics, w/ PTO provision		
4500 RDS 5-Sp Allison Gen 6 w/ Prognostics, w/PTO		
4500 RDS 6-Sp Allison Gen 6 w/ Prognostics, w/PTO		
Eaton 10-Sp Fuller RTO-14908LL		
Eaton 10-Sp Fuller RTO-16908LL		
Eaton 11-Sp Fuller RTO-14909ALL		
Eaton 11-Sp Fuller RTO-16909ALL		
Eaton 13-Sp Fuller RTLO-16913A		
Eaton 13-Sp Fuller RTLO-18913A		
Eaton 18-Sp Fuller RTLO-16918B		
Eaton 18-Sp Fuller RTLO-18918B		
Volvo 12-Sp I-Shift AT2612F Direct Drive		
Volvo 12-Sp I-Shift ATO2612F Overdrive		
Volvo 12-Sp I-Shift Severe Duty, AT2612F Direct Drive		
Volvo 12-Sp I-Shift Severe Duty, ATO2612F Overdrive		
Volvo 13-Sp I-Shift Severe Duty, Low Crawler / Low Rev Gear, Direct Drive		
Volvo 13-Sp I-Shift Severe Duty, Low Crawler / Low Rev Gear, Overdrive		
Volvo 14-Sp I-Shift Severe Duty, Ultra-Low Crawler/ Ultra-Low Rev, Overdrive		
Safety	Air Bag	
	Down view mirror over passenger door	*
	Traction Control	
	Volvo Active Driver Assist	
	Blind spot detection	
	Lane Departure Warning system	
	Camera, surveillance	
	Data capture	
	Backup alarm	
	Park brake alarm	
Security system		
Engine Equipment	Battery disconnect switch - optional	

DEF tank - 8.7L - 18.5L, LH
 Engine block heater

Front Axle Equip. Volvo VF12 12,000#
 Volvo VF12 12,500#
 Volvo VF14 13,200#
 Volvo VF14 14,600#
 Volvo VF20 16,000#
 Meritor MFS12E122 12,000#
 Meritor MFS12E122 12,500#
 Meritor MFS13122 13,200#
 Meritor MFS14122 14,600#
 Meritor MFS14124 low Height 12,500#
 Multileaf or Parabolic suspension
 Drum brakes or air disc brakes optional
 Front dust shields optional

Rear Axle Equip. Meritor MT-40-14X3C Amboid 40,000#
 Meritor MT-40-14X4C Amboid (Heavy Duty Housing) 40,000#
 Meritor MT-40-14XHE High Efficiency 40,00#
 Meritor MT-40-14XHE High Efficiency (Heavy Duty Housing) 40,00#
 Meritor MT-40-14X3D Hypoid 40,000#
 Meritor MT-40-14X4D Hypoid (Heavy Duty Housing) 40,000#
 Meritor RT46-160 46,000#
 Meritor RT46-164EH 46,000#
 Dana Spicer D40-155 Advantek 40,000#
 Dana Spicer D40-155 Advantek (Heavy Duty Housing) 40,000#
 Dana Spicer D40-156 Advantek 40,000#
 Dana Spicer D40-156 Advantek (Heavy Duty Housing) 40,000#
 Meritor MT-40-14X3C Amboid Dualtrac 40,000#
 Meritor MT-40-14XHE High Efficiency Dualtrac 40,000#
 Meritor MT-40-14X4C Amboid (Heavy Duty Housing) Dualtrac 40,000#
 Meritor MT-40-14XHE High Efficiency (Heavy Duty Housing) Dualtrac 40,00#
 Meritor MT-40-14X3D Hypoid Dualtrac 40,000#
 Meritor MT-40-14X4D Hypoid (Heavy Duty Housing) Dualtrac 40,000#
 Dana Spicer D40-155 Advantek Selecttrac 40,000#
 Dana Spicer D40-155 Advantek (Heavy Duty Housing) Selecttrac 40,000#
 Dana Spicer D40-156 Advantek Selecttrac 40,000#
 Dana Spicer D40-156 Advantek (Heavy Duty Housing) Selecttrac 40,000#
 Differential locks optional
 Suspension options include Volvo T-Ride, Primaax Air, & Hendrickson
 Drum brakes spec'd, air disc brakes optional

Frame Equip. Fuel tanks available from 50gal-125gal, LH & RH

Please contact John Walsh at Shealy Truck Center for additional options and pricing, and be sure to mention the NCSA procurement program for preferred pricing.



	<input type="checkbox"/> VOLVO D11	<input type="checkbox"/> VOLVO D13
Ratings:	385-425 hp / 1450-1550 lb-ft.	405-500 hp / 1450-1850 lb-ft.
Base Engine Configuration	4 cycle / Inline Six	4 cycle / Inline Six
Emissions	Selective Catalytic Reduction (SCR)	Selective Catalytic Reduction (SCR)
Aspiration	Sliding Nozzle Variable Geometry Turbocharger	Sliding Nozzle Variable Geometry Turbocharger
Cam / Valve Configuration	SOHC / 4 Valves per Cylinder	SOHC / 4 Valves per Cylinder
Cylinder Head	One-Piece Rigid Deck Cylinder	One-Piece Rigid Deck Cylinder
Injection System	Common-Rail	Common-Rail
Maximum Fuel Injection Pressure, psi (bar)	35,000 (2,400)	35,000 (2,400)
Rating Uprateability	Software Only, Throughout Range	Software Only, Throughout Range
Displacement, cu. in. (L)	661 (10.8)	780 (12.8)
Compression Ratio	17:1	17:1
Bore & Stroke, in. (mm)	4.84 x 5.98 (123 x 152)	5.16 x 6.22 (131 x 158)
Cylinder Spacing, in. (mm)	6.06 (154)	6.61 (168)
Full Dress Dry Weight, lb. (kg)	2259 (1025)	2605 (1182)
Fuel and Lubrication:		
Fuel Specification	Ultra Low Sulfur Diesel, 15 ppm	Ultra Low Sulfur Diesel, 15 ppm
Fuel Filters	Primary plus Secondary	Primary plus Secondary
Total Lube Oil Capacity, qts. (L)	38 (36)	42 (40)
Oil Filtration	Two Full Flow, One Bypass	Two Full Flow
Oil Drain Interval, Normal Service, miles (km)	60,000 (96,561)*	60,000 (96,561)*
Oil Specification	Volvo VDS-5.0, SAE 10W-30	Volvo VDS-5.0, SAE 10W-30
FLOCS Oil Drain Kit	Optional	Optional
Engine Equipment:		
Air Compressor, CFM	Two Cylinder, 31.8	Two Cylinder, 31.8
Retarder	Volvo Engine Brake (VEB)	Volvo Engine Brake (VEB)
Engine Brake Rating at 2200 rpm	420 hp @ 2200 rpm	500 hp @ 2200 rpm
Engine Brake Rating at 1500 rpm	266 hp @ 1500 rpm	350 hp @ 1500 rpm
Engine Brake Weight, lbs. (kg)	25 (12)	25 (12)
PTO Port for Live Rear PTO Pump or Shaft	Optional	Optional
Preheater, Electrical	Optional	Optional

* Volvo branded VDS-5.0 oil and > 6 mpg.


 VOLVO D13TC

 CUMMINS X-15

	<input type="checkbox"/> VOLVO D13TC	<input type="checkbox"/> CUMMINS X-15
Ratings:	405-455 hp / 1450-1850 lb-ft.	400-565/1450-1850 lb-ft.
Base Engine Configuration	4 cycle / Inline Six	4 cycle / Inline Six
Emissions	Selective Catalytic Reduction (SCR)	Selective Catalytic Reduction (SCR)
Aspiration	Fixed Geometry Turbocharger	Sliding Nozzle Variable Geometry TurboCharger
Cam / Valve Configuration	SOHC / 4 Valves per Cylinder	SOHC / 4 Valves per Cylinder
Cylinder Head	One-Piece Rigid Deck Cylinder	One Piece Rigid Deck Cylinder
Injection System	Common-Rail	Common-Rail
Maximum Fuel Injection Pressure, psi (bar)	35,000 (2,400)	35,000 (2,400)
Rating Uprateability	Software Only, Throughout Range	Software Only, Throughout Efficiency Series Range (400-500 hp)
Displacement, cu. in. (L)	780 (12.8)	912 (14.9)
Compression Ratio	18:1	19.6:1
Bore & Stroke, in. (mm)	5.16 x 6.22 (131 x 158)	5.29 x 6.65 (137 x 169)
Cylinder Spacing, in. (mm)	6.61 (168)	6.61 (168)
Full Dress Dry Weight, lb. (kg)	2635 (1195)	N/A
Fuel and Lubrication:		
Fuel Specification	Ultra Low Sulfur Diesel, 15 ppm	Ultra Low Sulfur Diesel, 15 ppm
Fuel Filters	Primary plus Secondary	Primary plus Secondary
Total Lube Oil Capacity, qts. (L)	38 (36)	55.9 (52.9)
Oil Filtration	Two Full Flow	One Full Flow
Oil Drain Interval, Normal Service, miles (km)	60,000 (96,561)*	50,000 (80,000)
Oil Specification	Volvo VDS-5.0, SAE 10W-30	CK-4
FLOCS Oil Drain Kit	Optional	Optional
Engine Equipment:		
Air Compressor, CFM	Two Cylinder, 31.8	Single Cylinder, 18.7
Retarder	Volvo Engine Brake (VEB)	Cummins Engine Brake
Engine Brake Rating at 2200 rpm	500 hp @ 2200 rpm	527hp @ 2100 rpm
Engine Brake Rating at 1500 rpm	347 hp @ 1500 rpm	473hp @ 1500 rpm
Engine Brake Weight, lbs. (kg)	25 (12)	15 (17)
PTO Port for Live Rear PTO Pump or Shaft	Optional	Optional Flywheel Housing available
Preheater, Electrical	Optional	Optional Ether Injection

* Volvo branded VDS-5.0 oil and > 6 mpg.



VOLVO I-SHIFT
I-SHIFT FOR SEVERE DUTY
I-SHIFT WITH CRAWLER GEARS

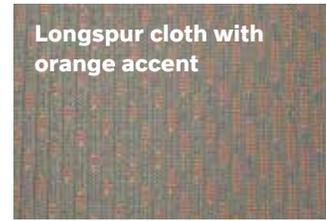
EATON FULLER 13, 18

ALLISON 6 SPEED
AUTOMATIC

	<input type="checkbox"/> VOLVO I-SHIFT I-SHIFT FOR SEVERE DUTY I-SHIFT WITH CRAWLER GEARS	<input type="checkbox"/> EATON FULLER 13, 18	<input type="checkbox"/> ALLISON 6 SPEED AUTOMATIC
Description	Automated Manual Transmission	Manual and Automated Manual Transmission	Automatic
Dry Weight w/ clutch and oil cooler (lbs.)	720 or 805	541 to 978	831
Max Torque Capacity (ft-lb) / (NM)	1900 (2600)	2050 (2779)	1770 (2400)
Transmission Housing Body	Aluminum	Aluminum/Cast Iron	Aluminum
Max Highway Weight (lbs)	220,000*	140,000*	Manufacturer Approval Required
Predictive Cruise Control	I-See	No	No
Software based upgrades available	Yes	Yes	Yes
Overall gear ratios	14.94 to 41.08	14.80 to 19.72	NA**
Forward Gears	12, 13, or 14	10, 13 or 18	6
Reverse Gears	2 to 6	2 to 4	1

* Requires application approval.

** Torque converter.



	<input type="checkbox"/> FLEET TRIM LEVEL	<input type="checkbox"/> TOURING TRIM LEVEL	<input type="checkbox"/> LIMITED TRIM LEVEL
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Description	Our Fleet Trim Level is designed for maximum durability to withstand the wear associated with high-use applications. The Fleet Trim Level I is available in VNL 300, 400, 740, and 760 models.	Touring Trim Level features a Heron cloth finish throughout the cab, with touches of Wren vinyl for a more refined interior. The Touring Trim Level is available in all VNL models.	The Limited Trim Level offers luxurious options in every corner, including Wood Grain trim for the dash and cabinetry. The Limited Trim Level is available in all VNL models.
Headliner	Heron vinyl with dot pattern	Heron cloth	Heron cloth
Back Wall	Heron vinyl	Longspur cloth with metallic accent	Longspur cloth with orange accent
Door Insert	Wren molded plastic	Wren vinyl	Longspur vinyl
Instrument Panel Decorative Trim	Hex Grain	Hex Grain	Wood Grain
Cabinet Trim	Hex Grain	Hex Grain	Wood Grain
Seat Options	Seven	Seven	Seven
Floor Insert Options	Two	Two	Two